THE RAYMOND AND BEVERLY SACKLER INSTITUTE OF ASTRONOMY

PUBLICATIONS 2006

The following are publications in refereed journals of members of the Sackler Institute of Astronomy:
Almoznino, E., Barkana, R., Beck, S. C., Brosch, N., Broadhurst, T. J., Contini, M., Formiggini, L., Goldman, I., Kaspi, S., Kozlovsky, B-Z., Leibowitz, E. M., Levinson, A., Maoz, D., Mazeh, T., Netzer, H., Rephaeli, Y., Sternberg, A. and Zucker, S.

Research workers and graduate students:
Almog, U., Arielli, Y., Bar-Or, C., Boger, G., Bromberg, O., Dzigan, Y., Horesh, A., Gemel, S., Gnat, O., Hoory, E., Lemze, D., Lipkin, Y., Medezinski, E., Moran, A., Naaman, M., Naoz, S., Ofir, A., Polishook, D., Poznanski, D., Rathouse, B., Tamuz, O., Sadeh, S., Sharon, K., Schjvarg, L. S., Sirotkin, A., Shporer, A., Trakhtenbrot, B., and Zoran, O.

PAPERS PRINTED IN JOURNALS

Almoznino, E., Brosch, N., Shara, M. and Zurek, D. *"LMC far-UV HST observations"* (Almoznino+, 2005) VizieR On-line Data Catalog; J/MNRAS/357/645. Originally published in 2005 MNRAS, 367.645A. 2006.

Auld, R. et al including **Brosch, N**. *"The Arecibo Galaxy Environment Survey: precursor observations of the NGC 628 group"*, MNRAS, 371: 1617, 2006.

Bakos, G.A., et al, including **Shporer, A**. and **Mazeh, T**. *"Refined Parameters of the Planet Orbiting HD 189733",* ApJ. 650: 1160, 2006.

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Barkana, R. *"The First Stars in the Universe and Cosmic Reionization*", Science, 313: 5789: 931, 2006.

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Charpinet, S. et al including **Lipkin, Y., Formiggini, L**. and **Leibowitz, E.** *"The rapidly pulsating subdwarf B star PG 1325+101. II. Structural parameters from asteroseismology"*, A&A, 459: 565-576, 2006.

Davies, R.L., et al including **Sternberg, A**. *"The Star-forming Torus and Stellar Dynamical black Hole Mass in the Seyfert 1 Nucleus of NGC 3227",* ApJ. 646: 754, 2006.

da Silva, R., Udry, S., Bouchy, F., Mayor, M., Mouton, C., Pont, F., Queloz, D., Santos, N.C., Segransan, D. and **Zucker, S.** *"Elodie metallicity-biased search for transiting Hot Jupiters. I Two Hot Jupiters orbiting the slightly evolved stars HD 118203 and HD 149143",* A&A, 446: 717, 2006.

de Castro, A., et al including **Brosch, N.** *"Fundamental Problems in Astrophysics",* Astrophysics and Space Science. 303: 133-145, 2006.

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O'Neill, P.M., **Kaspi, S**., Laor, A., Nandra, K., Moran, E.C., Peterson, B.M., Desroches, L-B., Filippenko, A.V., Ho. L.C. and **Maoz, D.** *"Multiwavelength Monitoring of the Dwarf Seyfert I Galaxy NGC 4395. II. X-Ray and Ultraviolet Continuum Variability"*, ApJ. 645: 160, 2006.

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Peterson, B.M., et al. including **Kaspi, S.** and **Maoz, D**. Erratum: *"Multiwavelength Monitoring of the Dwarf Seyfert I Galaxy NGC 4395. I. A Reverberation-based Measurement of the Black Hole Mass"*, (ApJ. 632: 799 [2005]) ApJ. 641: 638, 2006.

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Rephaeli, Y., Gruber, D. and **Arieli, Y**. *"Long RXTE Observations of A2163"*, ApJ. 649: 673, 2006.

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Röllig, M., Ossenkopf, V., Jeyakumar, S., Stutzki, J. and **Sternberg, A**. *"[CH] 158 mum emission and metallicity in photon dominated regions",* A&A. 451: 917, 2006.

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Alfonso, **C.,** Henning, Th., Weldrake, D., **Mazeh, T**. and Dreizler, S. *"Giant Transiting Planets Observations GITPO*", Direct Imaging of Exoplanets: Science and Techniques, Proceedings of the IAU Colloquium #200, Edited by C. Aime and F. Vakili. Cambridge, UK: Cambridge University Press, 2006, pp. 79-82.

Brosch, N., Nemiroff, R. and Shamir, L. *"Panoramic camera systems for meteor tracking and meteorite recovery",* Astronomy in Antarctica, 26th meeting of the IAU. Special Session 7, 22-23 August, 2006 in Prague, Czech Republic, SPS7, #12.

Coe, D. A., Fuselier, E., Benitez, N., **Broadhurst, T.,** Ford, H: ACS Science Team. *"LensPerfect: Exact Massmap Solutions for Gravitationally Lensed Multiple Images",* 2007 AAS/AAPT Joint Meeting, American Astronomical Society Meeting, 209, #21.03, 2006.

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